

AMENDED CLAIMS

1 1. (Four Times Amended) A jet engine [which produces a supersonic stream of
2 air, said engine] comprising:
3 [a structure adapted to provide a compression ratio sufficient to produce a supersonic
4 thrust;]
5 an [air intake end and an exhaust end;
6 said] exhaust end having a partition that divides [said] an exhaust stream [end] into
7 [a] first [side] and [a] second [side] streams, [such that a] the first stream being supersonic;
8 and [exits said exhaust end on said first side and a second stream of heated air exits said
9 exhaust end on said second side;
10 a combustion chamber for heating adapted to heat said first stream such that said first
11 stream is expelled from said exhaust end of said engine to produce said supersonic thrust,
12 and]
13 a [heating] control mechanism [adapted to heat said second stream such that said
14 second stream is expelled from said exhaust end of said jet engine to produce a subsonic
15 thrust adjacent to said first thrust and thereby prevent Mach waves from said supersonic
16 thrust] to control at least one of temperature and velocity of the second stream such that the
17 the second stream is subsonic.

**STATEMENT OF STATUS AND SUPPORT FOR CLAIM CHANGES IN
ACCORDANCE TO 37 C.F.R. §1.173(c)**

Claim Number	Status	Support in disclosure and explanation
1	pending	col. 2 (lines 20-22; 57-60)